

Files

sample_data

telco_churn.csv

+ Code + Text

24s

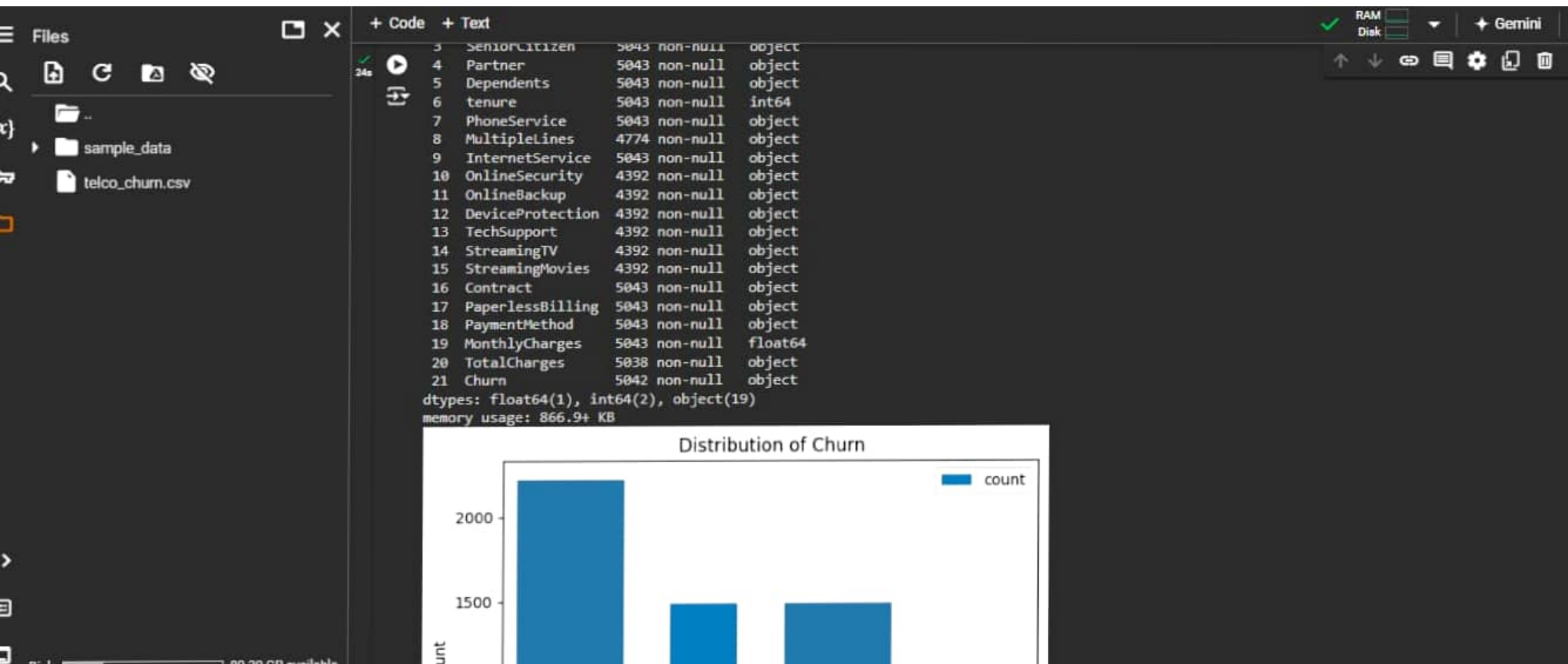
```
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
from sklearn.model_selection import train_test_split
from sklearn.ensemble import RandomForestClassifier
import plotly.express as px
df=pd.read_csv('telco_churn.csv')
df.info()
df.describe()
df['Churn'].value_counts().plot(kind='bar')
sns.countplot(x='Churn',data=df)
plt.title('Distribution of Churn')
plt.show()
sns.countplot(x='gender',hue='Churn',data=df)
plt.title('Churn by gender')
plt.show()
sns.boxplot(x='Churn',y='MonthlyCharges',data=df)
plt.title('Monthly Charges by Churn')
plt.show()
sns.histplot(data=df,x='tenure',hue='Churn',kde=True,multiple="stack")
plt.title('Tenure Distribution by Churn')
plt.show()
numerical_df=df.select_dtypes(include=['float64','int64'])
corr=numerical_df.corr()
plt.figure(figsize=(10,8))
sns.heatmap(corr, annot=True,fmt='2f',cmap='coolwarm')
plt.title('Correlation Matrix')
plt.show()
sns.pairplot(df,hue='Churn',diag_kind='kde')
```

RAM
Disk

Gemini

80.30 GB available



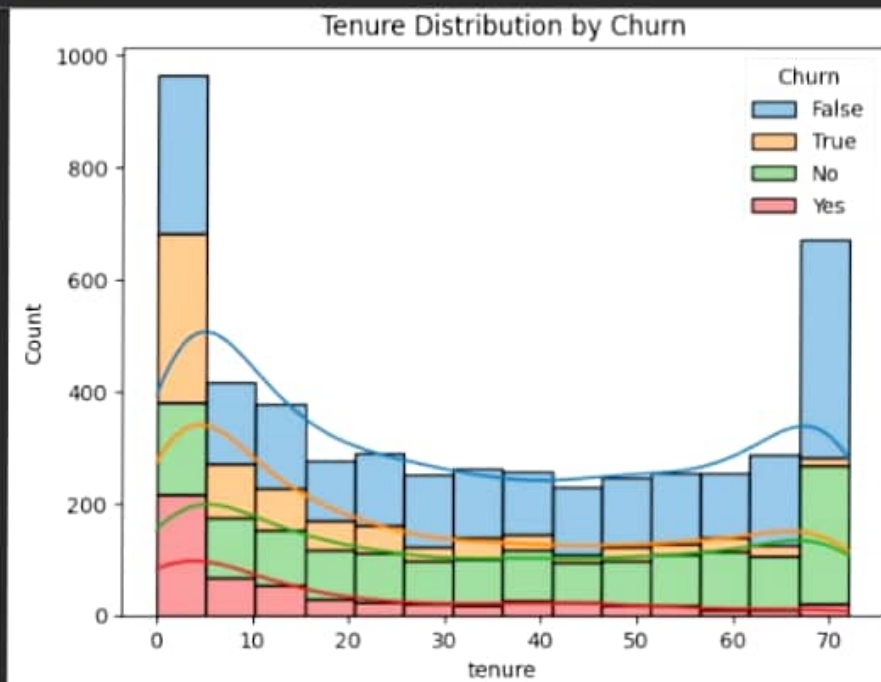


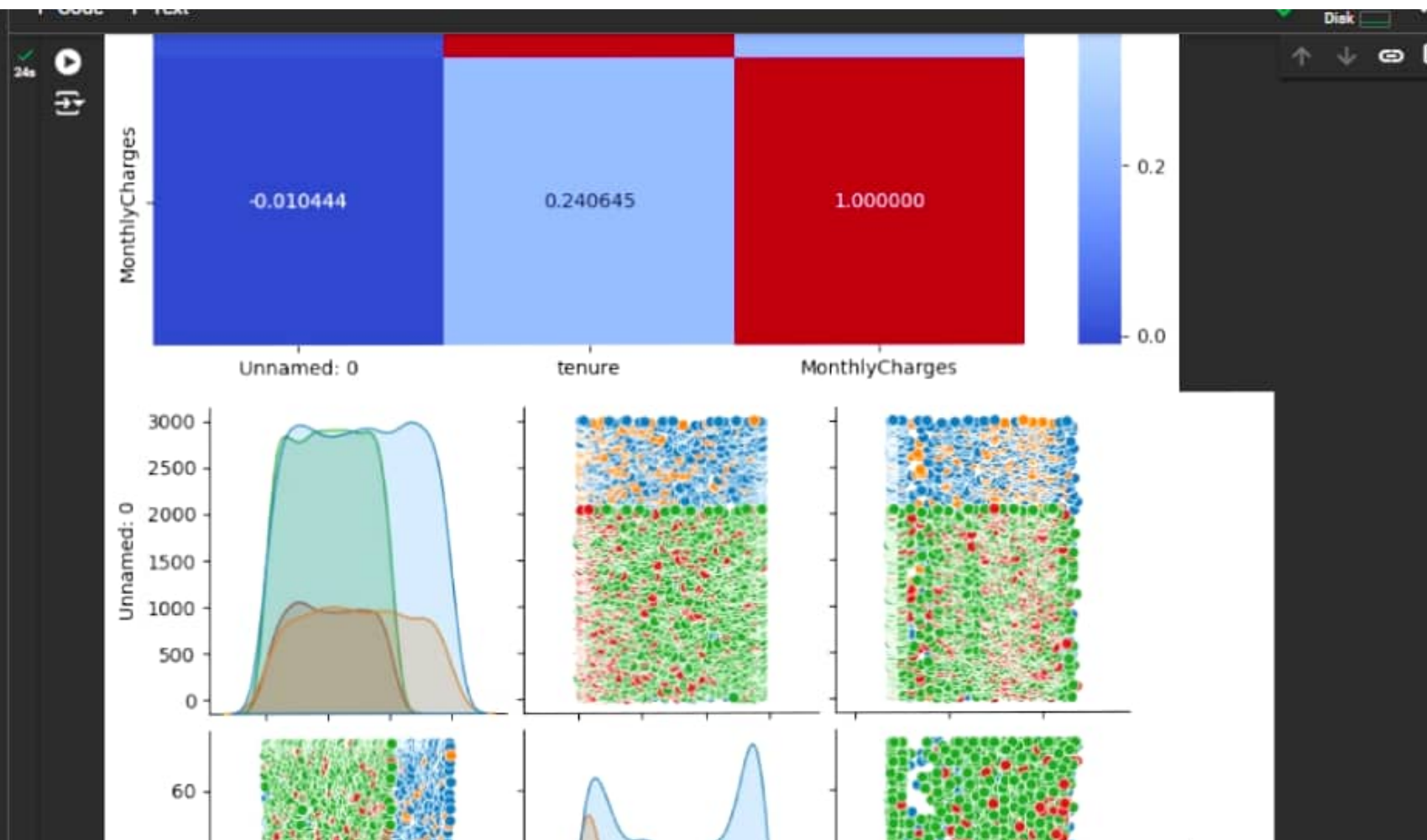
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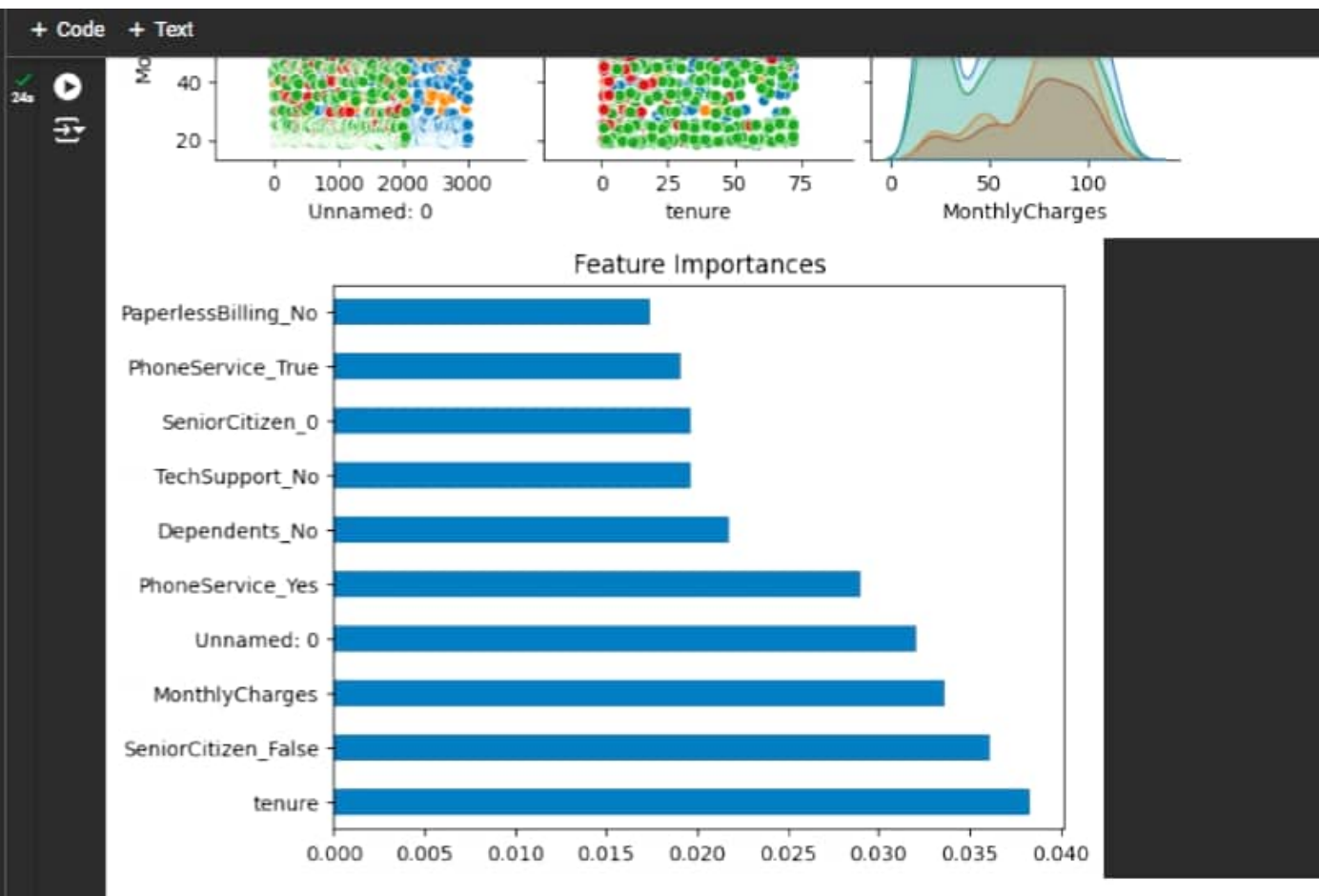




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